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(71) **Applicant (for all designated States except US):** THOMSON LICENSING S.A. [FR/FR]; 46 Quai A. le Gallo, 92100 Boulogne-Billancourt (FR).

(72) **Inventors; and**

(75) **Inventors/Applicants (for US only):** MEITZNER, Michael [DE/DE]; Neuer Weg 17, 78052 Villingen-Schwenningen (DE). HERMANN, Wolfgang [DE/DE]; Berneck 97, 78144 Tennenbronn (DE). LOUVEL, Jean-Paul [FR/DE]; Am Boegle 30, 78086 Brigachtal (DE).

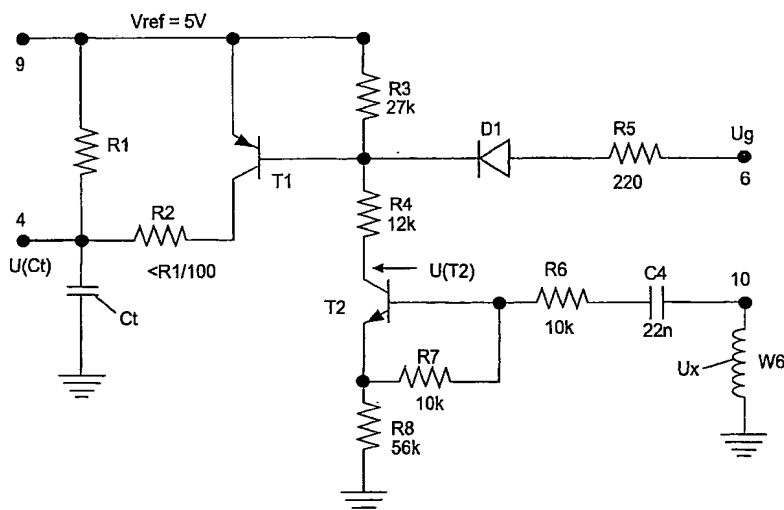
(74) **Agent:** ARNOLD, Klaus-Peter; Deutsche Thomson-Brandt GmbH, European Patent Operations, Karl-Wiechert-Allee 74, 30625 Hannover (DE).

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[Continued on next page]

- (54) Title:** SWITCHED-MODE POWER SUPPLY



- (S7) Abstract:** The switched-mode power supply has a transformer which contains a primary winding and at least one secondary winding (W6), a switching transistor in series with the primary winding, a driver stage for controlling the switching transistor, and a control circuit for controlling an output voltage. The control circuit in this case contains an oscillator which can be adjusted via a connection (4) and is coupled to a secondary winding (W6) in order to determine the time at which the switching transistor is switched on. A switching stage (T1, T2) is, in particular, arranged between the connection (4) and the secondary winding (W6) and passes on a supply voltage (VRef) to the connection (4) when a sudden voltage change occurs on the secondary winding (W6) at the time of an oscillation. In consequence, the switching transistor is switched on at a time at which the losses when switched on are low, thus considerably reducing the losses which occur in the switching transistor.



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